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Docket No.: 0941-0918P

Application No. 10/779,674
Amendment dated July 24, 2007
Reply to Office Action of April 24, 2007

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fan housing mounted on a frame of a system, comprising:

a main body;

a first section disposed on the main body and having a through hole;

a second section disposed on the main body, wherein a gap is formed between the first

and second sections;

a fixing portion formed in the gap; and

a fastening structure passing through the first section via the through hole, partially disposed in the gap and having a part with a profile corresponding to that of the gap for precisely positioning the part in the gap;

wherein the second section prevents one end of the fastening structure from being exposed.

2. (Previously Presented) The fan housing as claimed in claim 1, wherein the fixing portion prevents the fastening structure from rotating and limits the position of the fastening structure.

3. (Previously Presented) The fan housing as claimed in claim 2, wherein the fastening structure includes a screw and the part is a nut disposed in the gap and having the profile substantially identical to that of the gap, the nut is aligned with the through hole by the fixing portion, the screw passes through the through hole and engages with the nut, and the first and second sections prevent the nut from moving along an axial direction of the screw.

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4. (Original) The fan housing as claimed in claim 3, wherein the second section has a recess aligned with the through hole of the first section, and the screw is further accommodated by the recess.

5. (Original) The fan housing as claimed in claim 2, wherein the fastening structure has a profile corresponding to that of the fixing portion.

6. (Previously Presented) The fan housing as claimed in claim 1, wherein the main body is rectangular, and the first and second sections, the fixing portion and the fastening structure are disposed at corners of the main body.

7. (Previously Presented) The fan housing as claimed in claim 1, wherein the part is a hook passing through the through hole and connected to the gap for mounting the fan housing on the frame in the system.

8. (Cancelled)

9. (Currently Amended) The fan housing as claimed in claim 1, wherein the main body, the first and second sections and the fixing portion are an integral structure monolithic piece formed by injection molding.

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10. (Original) The fan housing as claimed in claim 1, further comprising a base at a bottom of the main body, wherein a plurality of ribs or stator blades are disposed between the base and the main body for guiding an air flow.

11. (Currently Amended) The fan housing as claimed in claim 10, wherein the ribs or stator blades have the same inclined angle.

12. (Currently Amended) A fan assembly, comprising:
a rotor; and
a fan housing having a base to receive the rotor, the fan housing comprising:
a main body;
a first section disposed on the main body and having a through hole;
a second section disposed on the main body, wherein a gap is formed between the first and second sections; and
a fixing portion formed in the gap; and
a fastening structure passing through the first section via the through hole and having a part with a profile corresponding substantially equal to that of the gap for positioning the part in the gap;
wherein the second section prevents one end of the fastening structure from being exposed.

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13. (Previously Presented) The fan assembly as claimed in claim 12, wherein the fixing portion prevents the fastening structure from rotating and limits the position of the fastening structure.

14. (Previously Presented) The fan assembly as claimed in claim 13, wherein the fastening structure further includes a screw and the part is a nut disposed in the gap and having the profile substantially identical to that of the gap, the nut is in aligned with the through hole by the fixing portion, the screw passes through the through hole and engages with the nut, and the first and second sections prevent the nut from moving along an axial direction of the screw.

15. (Original) The fan assembly as claimed in claim 14, wherein the second section has a recess aligned with the through hole of the first section, and the screw is further accommodated by the recess.

16. (Original) The fan assembly as claimed in claim 13, wherein the fastening structure has a profile corresponding to that of the fixing portion.

17. (Previously Presented) The fan assembly as claimed in claim 12, wherein the main body is rectangular, and the first and second sections, the fixing portion and the fastening structure are disposed at corners of the main body.

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18. (Previously Presented) The fan assembly as claimed in claim 12, wherein the part is a hook passing through the through hole and connected to the gap for mounting the fan housing on the frame in the system.

19. (Cancelled)

20. (Original) The fan assembly as claimed in claim 12, wherein the main body, the first and second sections and the fixing portion are an integral structure formed by injection molding.

21. (Original) The fan assembly as claimed in claim 12, wherein the base at a bottom of the main body supports the rotor, a plurality of ribs or stator blades are disposed between the base and the main body for guiding an air flow.

22. (Currently Amended) The fan assembly as claimed in claim 21, wherein the ribs and stator blades have the same inclined angle and shape similar to those of rotor blades of the rotor.

23. (Previously Presented) A fan assembly comprising:

a rotor;
a fan housing receiving the rotor therein and having a main body with a first section, having a hole, and a second section, wherein a gap is formed between the first and second sections; and

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a fastening structure having a hook passing through the hole to connect the gap or joining the gap from outside of the fan housing.